STATE of CALIFORNIA

Wireless E9-1-1 Project Status (November 2003)

The following summary information is extracted from the monthly Wireless E9-1-1 (W E9-1-1) Project meeting minutes. The State hosts an open meeting on the second Friday of each month at the Telecommunications Division in Sacramento for the Wireless Service Providers (WSPs), Incumbent Local Exchange Carriers (ILECs), Public Safety Answer Points (PSAPs), California Highway Patrol (CHP), Database Providers, and other stakeholders to encourage active participation with the project goals. Contact John Marengo (9-1-1 Office) at 916-657-9236 or john.marengo@dgs.ca.gov for further information.

W E9-1-1 Project General Business

- **Implementation Map and Sector Cut Sheets.** The California Wireless E9-1-1 statewide implementation map, dated 11/7/2003, is updated to show seven specific implementation regions. The Regional Sector Cutover Sheets contain the most up-to-date information regarding participating PSAPs and the number of sectors cut over for Phase I/II service. Information is located online at www.td.dgs.ca.gov/Services/911/we911.
- **FCC Wireless E9-1-1 Meeting.** The Federal Communications Commission (FCC) held a meeting for the Wireless E9-1-1 Coordination Initiative on October 29-30, 2003 in Washington DC. Daphne Rhoe, 9-1-1 Office Chief, spoke about the Wireless E9-1-1 Project. Karl Korsmo, AT&T Wireless, complimented the statewide plan and mentioned that leadership helped deploy Phase II in Los Angeles, one of the most varied and complex areas in the country. The final agenda and transcripts are available at http://wireless.fcc.gov/outreach/e911/.
- **Wireless Number Portability.** California has several cities within the 100 largest metropolitan statistical areas where wireless number portability (WNP) will be available November 24, 2003. See http://ftp.fcc.gov/cgb/NumberPortability. PSAPs are being notified that during the brief porting period, they may not receive the accurate phone number of the caller.
- **United States GAO Report.** The United States General Accounting Office (GAO) released a W E9-1-1 Report dated November 2003. See www.gao.gov/new.items/d0455.pdf. California has been in the forefront initiating the priorities listed for W E9-1-1 implementations, since the Statewide W E9-1-1 project plan was initiated by charter in August of 2000.
- **Improved Service Response Times.** The increasing number of primary PSAPs answering W E9-1-1 calls directly has improved service response times. These PSAPs, now answering both wireless and landline E9-1-1 calls, have generally maintained answer times below 10 seconds for 90% or more of their calls. In addition, there have been no traffic congestion issues despite wireless calls being answered on the existing wire-line trunks, giving equal priority to all E9-1-1 calls.

Wireless ALI (W-ALI) Issues

- **E2/E2+ Limitations.** There is a serious issue regarding SBC's use of the E2 and E2+ interfaces with their ALISA database. Using the E2/E2+ interface requires PSAPs, connected to SBC's ALISA, to update their customer premise equipment (CPE) to send a "97" trunk identifier to obtain Phase II data from either Nextel or Sprint PCS. Having to upgrade most all of the 500 PSAPs statewide would have a big impact on implementation timelines and still several 9-1-1 CPE providers do not have a solution. The State has requested SBC to review providing an Enhanced PAM (E-PAM) interface, to be in line with the State's goal of minimizing the impacts and timeframes for statewide W E9-1-1 deployment.
- **E-PAM Successes.** PSAPs in Verizon territories have deployed using the E-PAM interface and it has been successful with those wireless service providers using non-call path associated signaling (NCAS). This method does not work for Nextel's hybrid call path associated signaling (HCAS) deployments, which require an E2 interface. However, Nextel has agreed to offer both HCAS and NCAS in California. PSAPs will be given choices regarding which Nextel solution best suits their needs. The State is leading the analysis of the various alternatives/impacts and hopes to have clarification by December 2003.

Regional Implementations – See map and cut sheets at www.td.dgs.ca.gov/Services/911/we911 under "Implementation Status."

- **Los Angeles Region** – Verizon Wireless Phase II is nearly complete. The focus is currently on TDMA Phase II sector cutovers with ATTWS. Other wireless service providers (WSPs) are being scheduled.
- **San Francisco Bay Area Region –** Phase II implementations are continuing with Verizon Wireless. There are also selected implementations with Nextel and Metro PCS, starting in the South Bay.
- **San Diego Region** – PSAPs participated in meetings in October in which decisions were made regarding the routing of about 5000 cell sectors. The fires have impacted various resources, but some WSPs may be able to initiate service by 1st Q 2004.
- **Sacramento Region** – This region is slated to start in the second quarter of 2004. Most request letters have already been sent out by the State and received by WSPs. Routing meetings are to be scheduled soon.
- **Southland Region** – This region is expected to start in the 3rd quarter of 2004. PSAP solicitation will soon end and request letters will be sent out to participating PSAPs for signatures, before being mailed to WSPs.
- **Central Region** – This region is expected to start in the 4th quarter of 2004. Participation is now being sought from local primary PSAPs to answer W E9-1-1 calls directly.
- **Northern Region** – This region is expected to start in 2005 and will complete the statewide W E9-1-1 implementation.